

Substitute for form 1449A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(Use as many sheets as necessary)</i>				<b>Complete if Known</b>	
				Application Number	10/677,139
				Filing Date	09-30-2003
				First Named Inventor	Steinberg, et al.
				Art Unit	2624
				Examiner Name	Kassa, Yosef
Sheet	1	of	2	Attorney Docket Number	FN104-C

Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

In accordance with the provisions of 37 C.F.R. § 1.56(a) and 37 C.F.R. § 1.97, Applicant(s) hereby make of record the references listed on the accompanying form, SB/08A and/or SB/08b for consideration by the Examiner in connection with the examination of the above-identified patent application.

This Information Disclosure Statement:

- (a) accompanies a new patent application submitted herewith.
- (b) is filed within three (3) months of the Filing Date or before the mailing date of a First Office Action on the merits; **OR**
- (c) ☒ is filed after the first Office Action and more than three months after the application's filing date or PCT national stage date of entry filing but, as far as is known to the undersigned prior to the mailing date of either a final rejection or a notice of allowance, and is accompanied by either the fee (\$180) set forth in 37 CFR § 1.17(p) or a certification as specified in 37 CFR § 1.97(e), as checked below **OR**
- (d) is filed after the mailing date of either a final rejection or a notice of allowance, and the issue fee has not been paid, and is accompanied by the requisite petition fee (\$130) set forth in 37 CFR § 1.17(l)(1) and a certification as specified in 37 CFR § 1.97(e), as checked below. This document is to be considered as a petition requesting consideration of the information disclosure statement.

As required under § 1.97(e), Applicants, through the undersigned, hereby state either that [check the appropriate space]:

- (e) Each item of information contained in the Information Disclosure Statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing date of the Information Disclosure Statement; or
- (f) No item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing this Statement after making reasonable inquiry, no item of information contained in the Information Disclosure Statement was known to any individual designated in § 1.56(c) more than three months prior to the filing of the Information Disclosure Statement.

Each item of information listed in the attached FORM PTO/SB/08a and/or SB/08b may be material to the examination of the above-identified application and is, therefore, submitted in compliance with the duty of disclosure defined in 37 CFR 1.56, 1.97 and 1.98. The Examiner is requested to make these items of official record in this application.

Substitute for form 1449A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(Use as many sheets as necessary)</i>		<b>Complete if Known</b>			
		Application Number	10/677,139		
		Filing Date	09-30-2003		
		First Named Inventor	Steinberg, et al.		
		Art Unit	2624		
		Examiner Name	Kassa, Yosef		
Sheet	2		2	Attorney Docket Number	FN104-C

Pursuant to notice entitled "Information Disclosure Statements May Be Filed Without Copies Of U.S. Patents and Published Applications in Patent Applications filed after June 30, 2003," *Off. Gaz. Pat. Office* 55 (August 5, 2003), no copies of U.S. Patents and U.S. Published Patent Applications are being supplied with this Information Disclosure Statement.

This Information Disclosure Statement under 37 CFR 1.56, 1.97 and 1.98 is not to be construed as a representation that a search has been made, that additional information material to the examination of this application does not exist, or that any one or more of these items constitutes prior art.

If this statement crosses in the mail with an office action, or is otherwise not in the indicated category of 37 C.F.R. 1.97, it is respectfully requested that this statement be treated in the next appropriate category and made of record. To the extent required, please treat this submission as a conditional petition for acceptance of the information disclosure statement.

The Commissioner is authorized to charge any deficiencies and credit any overpayment of fees to our Deposit Account No. 50-2019.

Respectfully submitted,

Date: September 14, 2007

Jackson & Co., LLP

/Andrew Vernon Smith/

By: Andrew V. Smith  
 Reg. No. 43,132  
 Attorneys for Applicant(s)  
 6114 La Salle Ave., #507  
 Oakland, CA 94611-2802  
 Tel. 510-652-6418  
 Fax. 510-652-5691

☒ Customer Number or Bar Code Label

30349

*(Insert Customer No. or Attach bar code label here)*

**CERTIFICATE OF TRANSMISSION/MAILING**

I hereby certify that this correspondence is being facsimile transmitted to the United States Patent Office, number 1-571-273-8300, or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope, or filed electronically and addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

09-14-2007  
 Date

/Guy Powers/  
 Guy Powers

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(Use as many sheets as necessary)</i>				<b>Complete if Known</b>	
				Application Number	10/677,139
				Filing Date	09-30-2003
				First Named Inventor	Steinberg, et al.
				Art Unit	2624
				Examiner Name	Kassa, Yosef
Sheet	1	of	5	Attorney Docket Number	FN104-C

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US-3,541,941	11-24-1970	Barr, et al.	
		US-3,621,136	11-16-1971	Stanwood	
		US-4,186,301	01-29-1980	Basire, et al.	
		US-4,354,204	10-12-1982	Kimura	
		US-4,748,509	05-31-1988	Otake, et al.	
		US-5,093,716	03-03-1992	Kondo, et al.	
		US-5,475,429	12-12-1995	Kodama	
		US-5,541,655	07-30-1996	Kaneda	
		US-5,926,212	07-20-1999	Kondo	
		US-6,018,363	01-25-2000	Horii	
		US-6,035,073	03-07-2000	Kaup	
		US-6,167,206	12-26-2000	Hysten, Steven H. L.	
		US-6,181,378 B1	01-30-2001	Horie, et al.	
		US-6,326,998 B1	12-04-2001	Palum	
		US-6,381,357	04-30-2002	Tan, et al.	
		US-6,733,136	05-11-2004	Lantz, et al.	
		US-6,829,008 B1	12-07-2004	Kondo, et al.	

## FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Number Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		JP 04221748 A	08-12-1992	Iwaki Electron Ltd.		
		EP 1 157 544 (WO 00/51341)	02-04-2000	Inter Corporation		
		EP 1 188 309 (WO 00/72584 A1)	11-30-2000	Foveon, Inc.		
		EP 1 478 169 A2	11-17-2004	Nikon Corporation		
		EP 1 507 157 A2	02-16-2005	Canon Kabushiki Kaisha		
		WO 2005/041558 A1	05-06-2005	FotoNation Vision Limited		
		WO 2005/109853 A1	05-05-2005	FotoNation Vision Limited		

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. 3 Enter Office that issued the document. by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, US. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(Use as many sheets as necessary)</i>				<b>Complete if Known</b>	
				Application Number	10/677,139
				Filing Date	09-30-2003
				First Named Inventor	Steinberg, et al.
				Art Unit	2624
				Examiner Name	Kassa, Yosef
Sheet	2	of	5	Attorney Docket Number	FN104-C

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US-6,933,978 B1	08-23-2005	Suda	
		US-7,058,294 B2	06-06-2006	Nakahara	
		US-2002/0041383	04-11-2002	Lewis, et al.	
		US-2002/0158977 A1	10-31-2002	Hamilton	
		US-2003/0025802 A1	02-06-2003	Mayer, Jr., et al.	
		US-2003/0098922 A1	05-29-2003	Barkan	
		US-2003/0174902 A1	09-18-2003	Barkan	
		US-2003/0193604 A1	10-16-2003	Robins, et al.	
		US-2004/0037457	02-26-2004	Wengender, et al.	
		US-2004/0201709 A1	10-14-2004	McIntyre, et al.	
		US-2005/0001910	01-06-2005	Hoshuyama, et al.	
		US-2005/0068445 A1	03-31-2005	Steinberg, et al.	
		US-2005/0068446 A1	03-31-2005	Steinberg, et al.	
		US-2005/0068447 A1	03-31-2005	Steinberg, et al.	
		US-2005/0068448 A1	03-31-2005	Steinberg, et al.	
		US-2005/0068449 A1	03-31-2005	Steinberg, et al.	
		US-2005/0068451 A1	03-31-2005	Steinberg, et al.	

### FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Number Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. 3 Enter Office that issued the document. by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, US. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(Use as many sheets as necessary)</i>				<b>Complete if Known</b>	
				Application Number	10/677,139
				Filing Date	09-30-2003
				First Named Inventor	Steinberg, et al.
				Art Unit	2624
				Examiner Name	Kassa, Yosef
Sheet	3	of	5	Attorney Docket Number	FN104-C

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US-2005/0068452 A1	03-31-2005	Steinberg, et al.	
		US-2005/0078173 A1	04-14-2005	Steinberg, et al.	
		US-2006/0221227 A1	10-05-2006	Chang	
		US-2006/0274171	12-07-2006	Wang	
		US-2007/0116380 A1	05-24-2007	Ciuc, Mihai, et al.	
		US2007/0122056 A1	05-31-2007	Steinberg, et al.	
		US-2007/0189757 A1	08-16-2007	Steinberg, et al.	
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			

## FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Number Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(Use as many sheets as necessary)</i>				<b>Complete if Known</b>	
				Application Number	10/677,139
				Filing Date	09-30-2003
				First Named Inventor	Steinberg, et al.
				Art Unit	2624
				Examiner Name	Kassa, Yosef
Sheet	4	of	5	Attorney Docket Number	FN104-C

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		DOIGNON, C.; CORTELAZZO, G.; FREZZA, R., "A robust camera calibration technique for high resolution image acquisition", Proceedings of the European Conference on Multimedia Applications, Services and Techniques, 28-30 May 1996, Louvain la Neuve, Belgium. vol.1, Page: 267-78.	
		R DOMÍNGUEZ-CASTRO, S ESPEJO, A RODRÍGUEZ, "A Programmable Mixed-Signal Focal-Plane Array Processor with On-Chip Binary Imaging and Instructions Storage", IEEE Journal of Solid-State Circuits, Vol. 32, no. 7, July 1997. <a href="http://citeseer.ist.psu.edu/280486.html">http://citeseer.ist.psu.edu/280486.html</a> .	
		FORCHHEIMER, R. ASTROM, A., "Near-sensor image processing: a new paradigm", IEEE Transactions on Image Processing, Nov 1994, Volume: 3, Issue: 6, pp. 736-746. ISSN: 1057-7149. Digital Object Identifier: 10.1109/83.336244. <a href="http://ieeexplore.ieee.org/xpl/freeabs_all.jsp?arnumber=336244">http://ieeexplore.ieee.org/xpl/freeabs_all.jsp?arnumber=336244</a> .	
		S. MANN, R.W. PICARD, "On Being 'Undigital' With Digital Cameras: Extending dynamic Range by Combining Differently Exposed Pictures", p. 7 pages. <a href="http://www.eyetap.org/wearcomp/is_t95_myversion.ps.gz">http://www.eyetap.org/wearcomp/is_t95_myversion.ps.gz</a> .	
		PCT Notification of Transmittal of the International Search Report and the Written Opinion of the International Searching Authority, or the Declaration, for PCT/EP2004/010199	
		US Patent Application No. 11/462,035, filed August 02, 2006.	
		Non-Final Office Action mailed June 14, 2007, for US Patent Application No. 10/677,140 filed 09-30-2003.	
		Non-Final Office Action mailed July 23, 2007, for US Patent Application No. 11/673,577 filed 02-10-2007.	
		Non-Final Office Action mailed April 16, 2007, for US Patent Application No. 10/677,134 filed 09-30-2003.	
		Non-Final Office Action mailed April 16, 2007, for US Patent Application No. 10/676,845 filed 09-30-2003.	

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, US. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO				<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>				Application Number	10/677,139
				Filing Date	09-30-2003
				First Named Inventor	Steinberg, et al.
				Art Unit	2624
				Examiner Name	Kassa, Yosef
(Use as many sheets as necessary)				Attorney Docket Number	FN104-C
Sheet	5	of	5		

<b>NON PATENT LITERATURE DOCUMENTS</b>			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		Non-Final Office Action mailed February 2, 2007, for US Patent Application No. 10/676,823 filed 09-30-2003.	
		Non-Final Office Action mailed February 2, 2007, for US Patent Application No. 10/676,716 filed 09-30-2003.	

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**